D3 WD
1. An implantable system for drug delivery in vascular tissue, the system comprising
a reservoir comprising porous linked fibrous biomaterial having a plurality of voids
of a predetermined mean void size effective for stimulating angiogenesis in

2. /The implantable system for drug delivery of claim 1 additionally comprising a biodegradable matrix dispersed within said voids; and at least one drug dispersed within said matrix.

said reservoir from the vascular tissue.

- 3. A reservoir for coupling a cell culture to vascular tissue in which the reservoir may be implanted, the reservoir comprising
 - a sealable interior chamber for containing a cell culture, said chamber having a porous wall, said wall comprising linked fibrous biomaterial having a plurality of voids of a predetermined mean void size effective for inhibiting angiogenesis in said wall from the vasqular tissue; and
 - a porous linked fibrous biomaterial outer coat having a plurality of voids of a predetermined mean void size effective for stimulating angiogenesis in said reservoir from the vascular tissue, said outer coat substantially completely surrounding said sealable interior chamber wall.
- 4. A method for making a system for drug delivery for implantation in vascular tissue, the method comprising
 - obtaining a reservoir comprising porous linked fibrous biomaterial having a plurality of voids of a predetermined mean void size effective for stimulating angiogenesis in said reservoir from the vascular tissue;
 - providing a biodegradable matrix;

10

1

2

3

- 5. An infection shield for a datheter intended for placement through skin and subcutaneous tissue, the shield comprising
 - a substantially cylindrically shaped catheter seal for substantially circumferentially surrounding the cathetet, the seal comprising porous linked fibrous biomaterial having a plurality of voids of a predetermined mean void size effective for inhibiting angiogenesis from the skin and subcutaneous tissue; and
 - a tissue cuff circumferentially suffounding said catheter seal, said cuff comprising porous linked fibrous biomaterial having a plurality of voids of a predetermined mean void size effective for stimulating angiogenesis in said cuff from the skin and subcutaneous tissue.
- 6. The infection shield of claim 5 wherein said fibrous biomaterial comprises silica.